

BioLEARN Rubric

Comments	Great – ready to go	Lots of promise – complete and/or expand	Considerable information is missing - please review and revise
Scoring scale	2	1	0
Description	<input type="checkbox"/> Description explains the activity and lists biology content/concepts that are covered.	<input type="checkbox"/> Description explains the activity but does not list the biology content and/or concepts.	<input type="checkbox"/> Description does not explain the activity.
Grade Range	<input type="checkbox"/> Grade level is appropriate and well defined.	<input type="checkbox"/> Grade level is inappropriately or too broadly defined.	<input type="checkbox"/> Grade level is not defined.
Teaching/Learning Objectives	<input type="checkbox"/> Teaching/learning objectives are clearly defined and appropriate for the activity. <input type="checkbox"/> When objectives are designed to meet a science standard, the number of the standard is listed.	<input type="checkbox"/> Teaching/learning objectives are unclear or incomplete. <input type="checkbox"/> Numbers listed for teaching/learning objectives are not the same as those listed in the standards section.	<input type="checkbox"/> Teaching objectives are unrelated to the activity or not included. <input type="checkbox"/> Numbers of standards are not listed.
Time Required	<input type="checkbox"/> A time frame is included and is realistic for completing the activity.	<input type="checkbox"/> A time frame is included but is not realistic for completing the activity.	<input type="checkbox"/> No time frame is included.
Materials and Preparation Procedures	<input type="checkbox"/> Materials and preparations are detailed and concise. <input type="checkbox"/> Any required advanced planning is fully described. <input type="checkbox"/> Teachers would have no difficulty replicating the procedures and obtaining materials.	<input type="checkbox"/> Materials and preparations are detailed and concise. <input type="checkbox"/> Any required advanced planning is fully described. <input type="checkbox"/> Teachers would have no difficulty replicating the procedures and obtaining materials.	<input type="checkbox"/> Materials and preparations are brief and lack detail and clarity. <input type="checkbox"/> Advanced planning is not described. <input type="checkbox"/> Teachers would have great difficulty replicating procedures and obtaining materials.

Activity: Description	<ul style="list-style-type: none"> <input type="checkbox"/> The activity is easy to read and understand. <input type="checkbox"/> Supplementary student materials are incorporated which include, or link to student handouts and/or other materials. <input type="checkbox"/> Relevant safety precautions are provided in detail. 	<ul style="list-style-type: none"> <input type="checkbox"/> The activity is somewhat easy to read and understand. <input type="checkbox"/> Limited supplementary student materials are included with some question regarding their relevance. <input type="checkbox"/> Safety is mentioned but no procedures are given. 	<ul style="list-style-type: none"> <input type="checkbox"/> The activity is difficult to read and understand. <input type="checkbox"/> Supplementary student materials are not included. <input type="checkbox"/> No safety procedures are given.
Activity: Background	<ul style="list-style-type: none"> <input type="checkbox"/> Explanatory background information is included and directly related to the lesson. <input type="checkbox"/> Prerequisite student skills and knowledge are described. 	<ul style="list-style-type: none"> <input type="checkbox"/> Explanatory background is limited or unrelated. <input type="checkbox"/> Description of prerequisite student skills and knowledge is limited and incomplete. 	<ul style="list-style-type: none"> <input type="checkbox"/> No background information is provided. <input type="checkbox"/> Prerequisite skills are not mentioned.
Activity: Science Content	<ul style="list-style-type: none"> <input type="checkbox"/> Science content is correct, clear and complete. 	<ul style="list-style-type: none"> <input type="checkbox"/> Science content is correct but somewhat incomplete or confusing. 	<ul style="list-style-type: none"> <input type="checkbox"/> Science content is incorrect, incomplete or confusing.
Activity: Learning Process	<ul style="list-style-type: none"> <input type="checkbox"/> Activity encourages students to inquire. <input type="checkbox"/> Activity involves data gathering, critical thinking, and analysis. <input type="checkbox"/> Activity engages the learner. <input type="checkbox"/> The lesson avoids gender, race, cultural or other biases that would impede the inclusion of all learners. 	<ul style="list-style-type: none"> <input type="checkbox"/> Activity supports student inquiry guided by the teacher. <input type="checkbox"/> Activity involves some data gathering and limited opportunity for critical thinking and analysis. <input type="checkbox"/> Activity somewhat engages the learner. <input type="checkbox"/> The lesson avoids gender, race, cultural or other biases that would impede the inclusion of all learners. 	<ul style="list-style-type: none"> <input type="checkbox"/> Activity does not support student inquiry <input type="checkbox"/> Activity does not expose students to data gathering or critical thinking and analysis. <input type="checkbox"/> Activity does not engage the learner. <input type="checkbox"/> The lesson includes biased material or information.
Student Assessment	<ul style="list-style-type: none"> <input type="checkbox"/> Student assessment methods and performance criteria are well described. <input type="checkbox"/> Assessment methods match learning objectives. 	<ul style="list-style-type: none"> <input type="checkbox"/> Student assessment methods and performance criteria are fairly well described. <input type="checkbox"/> Assessment methods somewhat match learning objectives. 	<ul style="list-style-type: none"> <input type="checkbox"/> Student assessment methods and performance criteria are not listed. <input type="checkbox"/> Assessment methods do not match the activity.
Academic Standards	<ul style="list-style-type: none"> <input type="checkbox"/> Academic standards match teaching/learning objectives. <input type="checkbox"/> Standards are annotated 	<ul style="list-style-type: none"> <input type="checkbox"/> Some academic standards match teaching/learning objectives. <input type="checkbox"/> Some, but not all, standards are annotated. 	<ul style="list-style-type: none"> <input type="checkbox"/> Academic standards are not included or those that are listed do not match the learning activity. <input type="checkbox"/> Standards are not annotated.

Additional Resources (Optional)	<input type="checkbox"/> Resources to supplement/enhance the activity are included (print materials, websites, fieldtrips, etc.) and there is a clear match to the activity. <input type="checkbox"/> Resources are briefly described to explain their relevance.	<input type="checkbox"/> Some resources to supplement/enhance the activity are included and most match the activity. <input type="checkbox"/> Resource descriptions are not included.	<input type="checkbox"/> Resources are not included or some resources are included but they do not match the activity.
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General Comments:

- Activity is a valuable teaching tool for high school biology.
- All required fields are completed
- Activity is innovative or uses well-known methods in an interesting and unique way.
- Uses correct grammar and punctuation
- Materials adhere to copyright issues and reference other resources and contributors appropriately
- Strong connection exists between learning objectives, lesson plan, standards and student assessment.